Contents

Transpapillary iridium-192 wire in the treatment of malignant bile duct obstruction M D LEVITT, B H LAURENCE, F CAMERON, AND P F B KLEMP 149
Somatostatin does not reduce oesophageal variceal ressure in liver cirrhotics G KLEBER, T SAUERBRUCH, G FISCHER, AND G PAUMGARTNER 153
Alimentary tract and pancreas: Oesophageal function before, during, and after healing of erosive oesophagitis F BALDI, F FERRARINI, A M LONGANESI, M ANGELONI, M RAGAZZINI, M MIGLIOLI, AND L BARBARA 157
Functional relationship between circopharyngeal sphincter and oesophageal body in response to graded intraluminal distension N A ANDREOLLO, D G THOMPSON, G P N KENDALL, AND R J EARLAM 161
Maturation of the lower oesophageal sphincter in the preterm baby S J NEWELL, P K SARKAR, G M DURBIN, I W BOOTH, AND A S MCNEISH 167
Effects of osmoreceptor stimulation on human duodenal motor activity D G THOMPSON AND D L WINGATE 173
Influence of ulcer healing agents on ulcer relapse after discontinuation of acute treatment: a pooled estimate of controlled clinical trials G DOBRILLA, P VALLAPERTA, AND S AMPLATZ 181
Raised plasma cholesterol precursors in patients with gut resections M A FÄRKKILÄ, R S TILVIS, AND T A MIETTINEN 188
Intestinal permeability to polyethyleneglycol 600 in Crohn's disease. Peroperative determination in a defined segment of the small intestine G OLAISON, P LEANDERSSON, R SJÖDAHL, AND C TAGESSON 196
Studies of the rectal mucosa in coeliac sprue: the intraepithelial lymphocyte LINDA L AUSTIN AND W O DOBBINS 200
Colorectal cancer in ulcerative colitis: a cohort study of primary referrals from three centres S N GYDE, P PRIOR, R N ALLAN, A STEVENS, D P JEWELL, S C TRUELOVE, R LOFBERG, O BROSTROM, AND G HELLERS 206
Sigmoid motility in diverticular disease and the irritable bowel syndrome I F TROTMAN AND J J MISIEWICZ 218
Diminished neutrophil function in Crohn's disease and ulcerative colitis identified by decreased oxidative metabolism and low superoxide dismutase content H W VERSPAGET, A S PEÑA, I T WETERMAN, AND C B H W LAMERS 223
In vitro mucus glycoprotein production by colonic tissue from patients with ulcerative colitis G F COPE, R V HEATLEY, J KELLEHER, AND A T R AXON 229
Functional abdominal pain, psychiatric illness, and life events F CREED, T CRAIG, AND R FARMER 235
Effect of calcitonin and calcitonin gene-related peptide on pancreatic functions in man C BEGLINGER, E KOEHLER, W BORN, J A FISCHER, U KELLER, L E HANSSEN, AND K GYR 243
Clinical trial: Effect of omeprazole and cimetidine on prepyloric gastric ulcer: double blind comparative trial K LAURITSEN, S J RUNE, H R WULFF, J H OLSEN, L S LAURSEN, T HAVELUND, L ASTRUP, F BENDTSEN, J LINDE, P BYTZER, U TAGE-JENSEN, C GLUUD, H H ANDERSEN, P SCHLICHTING, H SKOVBJERG, A MERTZ- NIELSEN, AND J RASK-MADSEN 249
Case reports: Communicating oesophageal duplication: a report of two cases M L RATAN, R ANAND, S K MITTAL, AND S TANEJA 254
Fulminant herpes simplex hepatitis in a patient with ulcerative colitis R D SHLIEN, S MEYERS, J A LEE, R DISCHE, AND H D JANOWITZ 257
Correspondence. Books. News 262
Pancreatic Society of Great Britain and Ireland A265

No. 3 MARCH 1988

Editorial announcement: Summaries of papers reporting results of clinical trials J J MISIEWICZ 273
Alimentary tract and pancreas: Does measurement of yield pressure at the cardia endoscopy provide information on the function of the lower oesophageal sphincter mechanism? R C M MCGOURAN, J M GALLOWAY, D S SPENCE, C P MORTON, AND DIANNE MARCHANT 275
Effect of treatment on *Campylobacter pylori* in peptic disease: a randomised prospective trial H HUMPHREYS, S BOURKE, C DOOLEY, D MCKENNA, B POWER, C T KEANE, E C SWEENEY, AND C O'MORÁIN 279
Acid stimulated alkaline secretion in the rabbit duodenum is passive and correlates with mucosal damage P VATTAY, W FEIL, S KLIMESCH, E WENZL, M STARLINGER, AND R SCHIESSEL 284
Risk factors for healing of duodenal ulcer under antacid treatment: do ulcer patients need individual treatment? S MASSARRAT, H G MÜLLER, AND P SCHMITZ-MOORMANN 291
Early cancer of the gastric remnant R POINTER, G SCHWAB, A KÖNIGSRAINER, E BODNER, AND K W SCHMID .. 298
Effect of meal temperature on gastric emptying of liquids in man W M SUN, L A HOUGHTON, N W READ, D G GRUNDY, AND A G JOHNSON 302
Comparisons of the effects on satiety and eating behaviour of infusion of lipid into the different regions of the small intestine I MCL WELCH, C P SEPPLE, AND N W READ 306

Effect of codeine and loperamide on upper intestinal transit and absorbtion in normal subjects and patients with postvagotomy diarrhoea J D O'BRIEN, D G THOMPSON, A McINTYRE, W R BURNHAM, AND E WALKER 312
Source of endogenous arachidonate and 5-lipoxygenase products in human neutrophils stimulated by bradykinin and A23187 O H NIELSEN, K BUKHAVE, I AHNFELT-RØNNE, AND J RASK-MADSEN 319
Surveillance in ulcerative colitis: burdens and benefit H W JONES, J GROGONO, AND A M HOARE 325
Prevalence of sexually transmitted disease among male patients presenting with proctitis H ANDREWS, J WYKE, M LANE, J CLAY, M R B KEIGHLEY, AND R N ALLAN 332
Secretory effect of azodisalicylate (azodisal sodium) on the short circuited mucosa of the rat ileum in vitro K J GEORG, R WANITSCHKE, P H DIEHL, AND K H MEYER ZUM BUSCHENFELDE 336
Symptoms and stool patterns in patients with ulcerative colitis S S ROA, C D HOLDSWORTH, AND N W READ 342
Cardiff Crohn's disease jubilee: the incidence over 50 years J D R ROSE, G M ROBERTS, G WILLIAMS, J F MAYBERRY, AND J RHODES 346
Smoking and inflammatory bowel disease. A case control study E LINDBERG, C TYSK, K ANDERSSON, AND G JÄRNEROT 352
Total pancreatectomy for chronic pancreatitis I P LINEHAN, M A LAMBERT, D C BROWN, A B KURTZ, P B COTTON, AND R C G RUSSELL 358
Liver and biliary: Unconjugated bilirubin and the bile from light exposed Gunn rats inhibit intestinal water and electrolyte absorption S GUANDALINI, A FASANO, F ALBINI, G MARCHESANO, A NOCERINO, M DE CURTIS, F F RUBALTELLI, A PETTENAZZO, AND A RUBINO 366
Haemodynamic response to intravenous vasopressin and nitroglycerin in portal hypertension D WESTABY, A GIMSON, P C HAYES, AND ROGER WILLIAMS 372
Bone histomorphometry and structure in corticosteroid treated chronic active hepatitis A J STELLON, A WEBB, AND J E COMPSTON 378
Clinical trial: Treatment of ulcerative reflux oesophagitis with colloidal bismuth subcitrate in combination with cimetidine M V BORKENT AND J A BEKER 385
Progress report: Motility of the ileocolonic junction S F PHILLIPS, E M M QUIGLEY, D KUMAR, AND P S KAMATH 390
Correspondence. Books. News 407

No. 4 APRIL 1988

Leading article: Oncogenes and gastrointestinal cancer IAN FORGACS 417
Liver and biliary: Expression of HLA-DR antigens on bile duct epithelium in primary sclerosing cholangitis R W CHAPMAN, P M A KELLY, A HERYET, D P JEWELL, AND K A FLEMING 422
Dissolution of gall stones with an ursodeoxycholic acid menthol preparation: a controlled prospective double blind trial M LEUSCHNER, U LEUSCHNER, D LAZAROVICI, W KURTZ, AND A HELLSTERN 428
Gall stones in a Danish population: fertility period, pregnancies and exogenous female sex hormones T JORGENSEN 433
Heterogeneity of antimitochondrial antibodies with the M2-M4 pattern by immunofluorescence as assessed by Western immunoblotting and enzyme linked immunosorbent assay M FUSCONI, I GHADIMINEJAD, F B BIANCHI, H BAUM, G F BOTTAZZO, AND E PISI 440
Alimentary tract and pancreas: Reflux oesophagitis and oesophageal transit: evidence for a primary oesophageal motor disorder C A ERIKSEN, S A SADEK, C CRANFORD, D SUTTON, N KENNEDY, AND A CUSCHIERI 448
Continuous intravenous infusions of famotidine maintain high intragastric pH in duodenal ulcer H S MERKI, L WITZEL, D KAUFMAN, MARION KEMPF, J NEUMANN, J RÖHMEL, AND R P WALT 453
Determinants of delayed gastric emptying in anorexia nervosa and bulimia nervosa P H ROBINSON, M CLARKE, AND J BARRETT 458
Naturally occurring chronic gastritis and C pylori infection in the Rhesus monkey: a potential model for gastritis in man A BASKERVILLE AND D G NEWELL 465
Response of the jejunal mucosa of dogs with aerobic and anaerobic bacterial overgrowth to antibiotic therapy R M BATT, LYNN McLEAN, AND JANE E RILEY 473
Ontogeny of fasting small intestinal motor activity in the human infant W M BISSETT, J B WATT, R P A RIVERS, AND P J MILLA 483
Phospholipase A_2 inhibition prevents mucosal damage associated with small intestinal ischaemia in rats T OTAMIRI, M LINDAHL, AND C TAGESSON 489
Experimental colonic carcinogenesis: changes in faecal bile acids after promotion of intestinal tumours by small bowel resection in the rat A P SAVAGE, M S SIAN, J L MATTHEWS, S R BLOOM, AND T COOKE 495

Contents

Disordered regulation of the in vitro immunoglobulin by intestinal mononuclear cells in Crohn's disease H W VERSPAGET, A S PEÑA, I T WETERMAN, AND C B H W LAMERS 503
Assessment of the lactulose-mannitol test in Crohn's disease F ANDRE, C ANDRE, Y EMERY, J FORICHON, L DESCOS, AND Y MINAIRE 511
Ulcerative colitis – a disease characterised by the abnormal colonic epithelial cell? P R GIBSON, E VAN DE POL, P J BARRATT, AND W F DOE 516
Progress report: Deoxycholic acid and the pathogenesis of gall stones S N MARCUS AND K W HEATON 522
Case reports: Perforation of gastric squamous carcinoma metachronous to laryngeal carcinoma: metastatic in origin? G F WHALEN, W K J HUIZINGA, AND A MARSZALEK 534
Pathophysiological study of diarrhoea in a patient with medullary thyroid carcinoma. Evidence against a secretory mechanism and for the role of shortened colonic transit time J C RAMBAUD, R JIAN, B FLOURIÉ, M HAUTEFEUILLE, M SALMERSON, F THUILLIER, A RUSKONÉ, C FLORENT, F CHAOUI, AND J-J BERNIER 537
Chronic intestinal pseudoobstruction and ophthalmoplegia in a patient with mitochondrial myopathy R CERVERA, J BRUIX, A BAYES, R BLESA, I ILLA, J COLL, AND A M GARCIA-PUGES 544
Non-psychogenic primary polydipsia in autoimmune chronic active hepatitis with severe hyperglobulinaemia M V TOBIN AND A I MORRIS 548
Correspondence. Books. News. 550

No. 5 MAY 1988

Leading articles: Progress with the pouch-restorative proctocolectomy for ulcerative colitis NEIL MORTENSEN 561
Present position of liver transplantation and its impact on hepatological practice JOHN G O'GRADY AND ROGER WILLIAMS 566
Alimentary tract and pancreas: Calmodulin in normal and cystic fibrosis human intestine at different developmental stages C ROCHETTE-EGLY, B LACROIX, H PFLIEGER, M DOFFOEL, M KEDINGER, AND K HAFFEN . 571
Lactosylceramide in inflammatory bowel disease: a biochemical study C R STEVENS, V G OBERHOLZER, J A WALKER-SMITH, AND A D PHILLIPS 580
Perforating and non-perforating indications for repeated operations in Crohn's disease: evidence for two clinical forms A J GREENSTEIN, P LACHMAN, D B S ACHAR, J SPRINGHORN, T HEIMANN, H D JANOWITZ, ANDAH AUFSES JR 588
Cryptosporidial diarrhoea in AIDS and its treatment G M CONNOLLY, M S DRYDEN, D C SHANSON, AND B G GAZZARD 593
Pathogenesis of postantibiotic diarrhoea caused by Clostridium difficile: an in vitro study in the rabbit intestine S GUANDALINI, A FASANO, M MIGLIAVACCA, M C VERGA, P MASTRANTONIO GIANFRILLI, A FERRARA, M ALESSIO, B MALAMISURA, P GALATI, A PANTOSTI, AND A RUBINO 598
DNA aneuploidy and cell proliferation in familial adenomatous polyposis R QUIRKE, M F DIXON, D W DAY, J B J FOZARD, I C TALBOT, AND C C BIRD 603
Breath methane and large bowel cancer risk in contrasting African populations I SEGAL, A R P WALKER, S LORD, AND J H CUMMINGS 608
Manovolumetry: a new method for investigation of anorectal function S ÅKERVALL, S FASTH, S NORDGREN, T ÖRESLAND, AND L HULTÉN 614
Motor pattern of the left colon before and after surgery for rectal cancer: possible implications in other disorders B N CATCHPOLE 624
Cisapride restores the decreased lower oesophageal sphincter pressure in reflux patients P CECCATELLI, J JANSSENS, G VANTRAPPEN, AND S CUCCHIARA 631
Effects of cimetidine and carbenoxolone on gastric mucus M D ENE, J R CLAMP, AND C J C ROBERTS 636
Effects of fasting and refeeding on somatostatin concentration and binding to cytosol from rabbit gastric mucosa B ROCA, R FERNANDEZ-VALENCIA, AND E ARILLA 642
Progress report: Bicarbonate (HCO_3) delivery to the gastroduodenal mucosa by the blood: its importance for mucosal integrity M STARLINGER AND R SCHIESSEL 647
Liver and biliary: Recurrence and re-recurrence of gall stones after medical dissolution: a longterm follow up L D J O'DONNELL AND K W HEATON 655
Chronic hepatitis in childhood: the spectrum of the disease F BORTOLOTTI, R CALZIA, A VEGNENTE, P CARDROBBI, M RUGGE, M ARMIGLIATO, M G MARAZZI, R IORIO, C CRIVELLARO, R PISCOPO, AND G REALDI 659
Absorption of water and sodium and activity of adenosine triphosphatases in the rectal mucosa in tropical sprue B S RAMAKRISHNA AND V I MATHAN 665
Clinical trials: Comparison of delayed release 5 aminosalicyclic acid (mesalazine) and sulphasalazine in the treatment of mild to moderate ulcerative colitis relapse S A RILEY, V MANI, M J GOODMAN, M E HERD, S DUTT, AND L A TURNBERG 669

Combined therapy with cisapride and cimetidine in severe reflux oesophagitis: a double blind controlled trial J P GALMICHE, G BRANDSTÄTTER, M EVREUX, E HENTSCHEL, E KERSTAN, P KRATOCHVIL, W REICHEL, K SCHÜTZE, J C SOULE, AND J VITAUX 675
Case reports: Invasive amoebiasis: an unusual presentation B R DAVIDSON, J P NEOPTOLEMOS, D WATKIN, AND I C TALBOT 682
Devastating diarrhoea caused by azathioprine: management difficulty in inflammatory bowel disease J COX, T K DANESHMEND, C J HAWKEY, R F A LOGAN, AND R P WALT 686
Gastric carcinoid tumour and parathyroid adenoma J M NORES, J F DALAYEUN, J M REMY, AND A D NENNA 689
Peptic ulceration and phenylketonuria: a possible link? L G GREEVES, D J CARSON, AND J A DODGE 691
Correspondence. Books. News 693
British Society of Gastroenterology A701

No. 6 JUNE 1988

Leading article: Biliary obstruction is best managed by endoscopists JOHN A SUMMERFIELD 741
Liver and biliary: Laserlithotripsy of common bile duct stones CH ELL, G LUX, J HOCHBERGER, D MÜLLER, AND L DEMLING 746
Effect and mechanism of action of isosorbide-5-mononitrate P C HAYES, D WESTABY, AND ROGER WILLIAMS 752
Alimentary tract and pancreas: Pelvic floor neuropathy: a comparative study of diabetes mellitus and idiopathic faecal incontinence J ROGERS, D M LEVY, M M HENRY, AND J J MISIEWICZ 756
Intramural distribution of regulatory peptides in the sigmoid-recto-anal region of the human gut G-L FERRI, T E ADRIAN, JANET M ALLEN, L SOIMERO, ALESSANDRA CANCELLIERI, JANE C YEATS, MARION BLANK, JULIA M POLAK, AND S R BLOOM 762
Anorectal contractility under basal conditions and during rectal infusion of saline in ulcerative colitis S S C ROA, N W READ, J A H STOBART, W G HAYNES, S BENJAMIN, AND C D HOLDSWORTH 769
Frequency of pancreatitis in fulminant hepatic failure using isoenzyme markers R J EDE, K P MOORE, W J MARSHALL, AND ROGER WILLIAMS 778
Fatal acute pancreatitis C WILSON, C W IMRIE, AND D C CARTER 782
Effect of jejunal infusion of bile acids on small bowel transit and fasting jejunal motility in man R PENAGINI, J J MISIEWICZ, AND P G FROST 789
Attachment of *Giardia lamblia* to rat intestinal epithelial cells PHILLIPA M G INGE, C M EDSON, AND M J G FARTHING 795
Morphological and functional effects of 16,16-dimethyl-prostaglandin-E_2 on mucosal adaptation after massive distal small bowel resection in the rat J A VANDERHOFF, C J GRANDJEAN, JEANNE M BAYLOR, JENNIFER BAILY, AND A R EULER 802
Nitrogen losses from the human small bowel: obligatory losses and the effect of physical form of food A CHACKO AND J H CUMMINGS 809
Effect of moderate exercise on salt and water transport in the human jejunum G R BARCLAY AND L A TURNBERG 816
Can ^{111}indium autologous mixed leucocyte scanning accurately assess disease extent and activity in Crohn's disease? R H R PARK, J H MCKILLOP, A DUNCAN, J G MACKENZIE, AND R I RUSSELL 821
Ranitidine and oxygen derived free radical scavengers in haemorrhagic shock induced gastric lesions E C TSIMOYIANNIS, C J SARROS, J C TSIMOYIANNIS, K MOUTESIDOU, G AKALESTOS, AND O B KOTOULAS 826
Pancreaticoduodenal secretions and the genesis of gastric stump carcinoma in the rat R C MASON, P R TAYLOR, M I FILIPE, AND I MCCOLL 830
Clinical trial: Controlled trial comparing olsalazine and sulphasalazine for the maintenance treatment of ulcerative colitis A IRELAND, C H MASON, AND D P JEWELL 835
Case reports: Long acting somatostatin treatment of paraneoplastic Cushing's syndrome in a case of Zollinger-Ellison syndrome P RUSZNIEWSKI, F GIRARD, R BENAMOUZIG, M MIGNON, AND S BONFILS 838
Anisakiasis caused by herring in vinegar: a little known medical problem M A M VERHAMME AND C H R RAMBOER 843
Bleeding from multifocal heterotopic gastric mucosa in the colon controlled by an H_2 antagonist F E MURRAY, M LOMBARD, P DERVAN, R J FITZGERALD, AND J CROWE 848
Cystic pneumatosis in coeliac disease J M SACKIER, E J SMITH, AND C B WOOD 852
Portal vein thrombosis with ruptured oesophageal varices as presenting manifestation of hereditary protein C deficiency D VALLA, M-H DENNINGER, J-M DELVIGNE, B RUEFF, AND J-P BENHAMOU 856
Progress report: Acalculous disease of the gall bladder R C N WILLIAMSON 860
Correspondence. Books. News 873
Correction 880

Contents

No. 7 JULY 1988

Alimentary tract and pancreas: Studies of the oesophageal clearance responses to intraluminal acid D G THOMPSON, N A ANDREOLLO, A S McINTYRE, AND R J EARLAM 881
Reproducibility of ambulatory oesophageal pH monitoring FOLKE JOHNSSON AND B O JOELSSON 886
Alteration of H_2 receptor sensitivity in duodenal ulcer patients after maintenance treatment with an H_2 receptor antagonist D B JONES, C W HOWDEN, D W BURGET, CINDY SILLETTI, AND R H HUNT 890
Epidermal growth factor (EGF) in the gastroprotective and ulcer healing actions of colloidal bismuth subcritrate (De-Nol) in rats S J KONTUREK, A DEMBINSKI, Z WARZECHA, W BIELANSKI, T BROZOZOWSKI, AND D DROZDOWICZ 894
Stimulation of amphibian gastroduodenal bicarbonate secretion by sucralfate and aluminium: role of local prostaglandin metabolism J R CRAMPTON, L C GIBBONS, AND W D W REES 903
Campylobacter pylori in a sample of Finnish population: relations to morphology and functions of the gastric mucosa M SIURALA, P SIPPONEN, AND M KEKKI 909
Immunoglobulin containing cells in terminal ileum and colorectum of patients with arthritis related gut inflammation C CUVELIER, H MIELANTS, M DE VOS, E VEYS, AND H ROELS 916
Allopurinol attenuates caerulein induced acute pancreatitis in the rat J R WISNER AND I G RENNER 926
Glucomannan prevents postprandial hypoglycaemia in patients with previous gastric surgery W P M HOPMAN, P G M P HOUBEN, P A J SPETH, AND C B H LAMERS 930
Failure of ornithine decarboxylase inhibition to alter small intestinal epithelial repair after transient segmental ischaemia C GUZMAN, R J MACLEOD, AND J R HAMILTON 935
Initiation of motility in canine ileum by short chain fatty acids and inhibition by pharmacological agents P S KAMATH AND S F PHILLIPS 941
Experimental studies of immunologically mediated enteropathy. Development of cell mediated immunity and intestinal pathology during a graft-versus-host reaction in irradiated mice ALLAN McI MOWAT, MICHELLE V FELSTEIN, ANNETTE BORLAND, AND DELPHINE M V PARROTT 949
Failure to induce secretion in jejunal biopsies from children with cystic fibrosis C J TAYLOR, P S BAXTER, J HARDCASTLE, AND P T HARDCASTLE 957
Neurophysiological dysfunction in young women with intractable constipation J S VARMA AND A N SMITH 963
Outcome of colectomy for severe idiopathic constipation M A KAMM, P R HAWLEY, AND J E LENNARD-JONES 969
Longterm olsalazine treatment: pharmacokinetics, tolerance and effects on local eicosanoid formation in ulcerative colitis and Crohn's colitis K LAURITSEN, L STAERK LAURSEN, K BUKHAVE, AND J RASK-MADSEN 974
Histological response and antigen transmission in the lymph nodes of anthymic *nu/nu* mice inoculated with Crohn's disease tissue filtrates J F COLLINS, R G STRICKLAND, E L KEKAHBAH, M H ARTHUR, F NAEIM, AND G L GITNICK 983
Ulcerative colitis and Crohn's disease in an unselected population of monozygotic and dizygotic twins. A study of heritability and the influence of smoking C TYSK, E LINDBERG, G JÄRNEROT, AND B FLODÉRUS-MYRHED 990
Cell kinetics analysis of background colonic mucosa of patients with intestinal neoplasms by ex vivo autoradiography S NAKAMURA, I KINO, AND S BABA 997
Liver and biliary: Are duodenal diverticula associated with choledocholithiasis? R H KENNEDY AND M H THOMPSON 1003
Methods and techniques: Computer aided positioning of manometric probe in the upper digestive tract M BORTOLOTTI AND G BERSANI 1007
Case reports: Duodenal involvement in *Schistosoma mansoni* infection Q Q CONTRACTOR, L BENSON, T B SCHULZ, T Q CONTRACTOR, AND N KASTURI 1011
Acute delta superinfection in a previously unrecognised HBsAg carrier with transient loss of HBsAg stimulating acute non-A, non-B hepatitis C M CHU AND Y F LIAW 1013
Correspondence. News 1016

No. 8 AUGUST 1988

Leading article: Mycobacteria and Crohn's disease S J HAMPSON, J J McFADDEN, AND J HERMON-TAYLOR .. 1017
Alimentary tract and pancreas: Mechanisms of lower oesophageal sphincter incompetence in patients with symptomatic gastrooesophageal reflux J DENT, R H HOLLOWAY, J TOOULI, AND W J DODDS 1020
Comparison of intravenous edrophonium and oesophageal acid perfusion during oesophageal manometry in patients with non-cardiac chest pain J S DE CAESTECKER, A PRYDE, AND R C HEADING 1029

Measurement of gastrointestinal pH profiles in normal ambulant human subjects D F EVANS, G PYE, R BRAMLEY, A G CLARK, T J DYSON, AND J D HARDCASTLE 1035
Further characterisation of the 'ileal brake' reflex in man – effect of ileal infusion of partial digests of fat, protein, and starch on jejunal motility and release of neurotensin, enteroglucagon, and peptide YY R C SPILLER, I F TROTMAN, T E ADRIAN, S R BLOOM, J J MISIEWICZ, AND D B A SILK 1042
Effect of bicarbonate on efficacy of oral rehydration therapy: studies in an experimental model of secretory diarrhoea E J ELLIOTT, A J M WATSON, J A WALKER-SMITH, AND M J G FARTHING 1052
Mucosal biotransformation rates in the small intestine of children M-R STÅHLBERG, E HIETANEN, AND M MÄKI 1058
Regulation of glucose homeostasis in rat jejunum by despentapeptide-insulin *in vitro* N WOLLEN AND G L KELLETT 1064
Local immunity in ulcerative colitis: evidence for defective secretory IgA production S BADR-EL-DIN, L K TREJDOSIEWICZ, R V HEATLEY, AND M S LOSOWSKY 1070
Lysis of colonic epithelial cells by allogeneic mononuclear and lymphokine activated killer cells derived from peripheral blood and intestinal mucosa: evidence against a pathogenic role in inflammatory bowel disease P R GIBSON, ERIKA VAN DE POL, W PULLMAN, AND W F DOE 1076
Dynamic scanning defines a colonic defect in severe idiopathic constipation M A KAMM, J E LENNARD-JONES, D G THOMPSON, R SOBNACK, N W GARVIE, AND MARIE GRANOWSKA 1085
Cytosolic retinoic and binding protein in the human pancreas J K JUTLEY, J KELLEHER, T G BRENNAN, M E DENYER, AND C J MITCHELL 1093
Liver and biliary: Pharmacological constriction of the lower oesophageal sphincter: a simple method of arresting variceal haemorrhage S W HOSKING, W DOSS, H EL-ZEINY, P ROBINSON, M S BARSOUM, AND A G JOHNSON 1098
Intravascular coagulation in acute liver failure in rats and its treatment with antithrombin III K FUJIWARA, I OGATA, Y OHTA, K HIRATA, Y OKA, S YAMADA, Y SATO, N MASAKI, AND H OKA 1103
Case reports: Adult acquired cytomegalovirus infection with gastric and duodenal ulceration R C SPILLER, D LOVELL, AND D B A SILK 1109
Endometriosis and the gut N J PARR, C MURPHY, S HOLT, H ZAKHOUR, AND R B CROSBIE 1112
Progress report: Lymphoepithelial interactions in the mucosal immune system P BRANDTZAEG, L M SOLLID, P S THRANE, D KVALE, K BJERKE, H SCOTT, K KETT, AND T O ROGNUM 1116
New techniques: Disposable pudendal nerve stimulator: evaluation of the standard instrument and new device J ROGERS, M M HENRY, AND J J MISIEWICZ 1131
Cleaning and disinfection of equipment for gastrointestinal flexible endoscopy: interim recommendations of a Working Party of the British Society of Gastroenterology I V D WELLER, C B WILLIAMS, D J JEFFRIES, R J LEICESTER, R G GAZZARD, A T R AXON, P J V HANSON, G AYLIFFE, I G BARRISON, AND C NEUMANN . 1134
Correspondence. Book review 1152

No. 9 SEPTEMBER 1988

Liver and biliary: Glutathione deficiency in alcoholics: risk factor for paracetamol hepatotoxicity B H LAUTERBURG AND MARIA E VELEZ 1153
Cholecystokinin release and biliopancreatic secretion in response to selective perfusion of the duodenal loop with aminoacids in man J F COLOMBEL, A SUTTON, J A CHAYVIALLE, AND R MODIGLIANI 1158
Is ascites caused by impaired hepatic inactivation of blood borne endogenous opioid peptides? J R THORNTON, H DEAN, AND M S LOSOWSKY 1167
Alimentary tract and pancreas: Colonic mass movements in idiopathic chronic constipation G BASSOTTI, M GABURRI, B P IMBIMBO, L ROSSI, F FARRONI, M A PELLI, AND A MORELLI 1173
Changes in colonic motility induced by sennosides in dogs; evidence of a prostaglandin medication G STAUMONT, J FIORAMONTI, J FREXINOS, AND L BUENO 1180
Prospective comparison of double contrast barium enema plus flexible sigmoidoscopy *v* colonoscopy in rectal bleeding: barium enema *v* colonoscopy in rectal bleeding E JAN IRVINE, JOANNE O'CONNOR, R A FROST, P SHORVON, S SOMERS, G W STEVENSON, AND R H HUNT 1188
Screening of colorectal tumours using an improved faecal occult blood test. Quantitative aspects. I HÄKKINEN, R PAASIVUO, AND P PARTANEN 1194
Total body water and total body potassium in ileostomy patients before and after conversion to the continent ileostomy B ÖJERSKOG, H ANDERSSON, I BOSAEUS, H BREVINGE, AND L O NILSSON 1198
Smoking and sugar intake are separate but interactive risk factors in Crohn's disease B KARSCHINSKI, R F A LOGAN, M EDMOND, AND M J S LANGMAN 1202
Role of oxygen derived free radicals in platelet activating factor induced bowel necrosis J P CUEVA AND WEI HSUEH 1207

Contents

Differential distribution of protein kinases along the crypt-to-lumen regions of rat colonic epithelium. B SCHWARTZ, G M FRASER, J LEVY, Y SHARONI, R GUBERMAN, J KRAWIEC, AND S A LAMPRECHT 1213

Investigation of mycobacteria in Crohn's disease tissue by Southern blotting and DNA hybridisation with cloned mycobacterial genomic DNA probes from a Crohn's disease isolated mycobacteria P D BUTCHER, J J McFADDEN, AND HERMON-TAYLOR 1222

Employment problems and prospects for patients with inflammatory bowel disease R J WYKE, F C EDWARDS, AND R N ALLAN 1229

Dysmotility of small intestine in irritable bowel syndrome K E KELLOW, S F PHILLIPS, L J MILLER, AND A R ZINSMEISTER 1236

Acute ethanol dosage reduces the synthesis of smooth muscle contractile proteins in the small intestine of the rat V R PREEDY, P DUANE, AND T J PETERS 1244

Effect of ICS 205-930 (a specific 5-HT_3 receptor antagonist) on gastric emptying of a solid meal in normal subjects L M A AKKERMANS, A VOS, A HOEKSTRA, J M M ROELOFS, AND M HOROWITZ 1249

Mechanisms governing the biphasic pattern of gastric emptying after truncal vagotomy and pyloroplasty N J PARR, S GRIME, M CRITCHLEY, J N BAXTER, AND C R MACKIE 1253

Lymphocytic gastritis: a newly described entity: a retrospective endoscopic and histological study J HAOT, L HAMICHI, L WALLEZ, AND P MAINGUET 1258

Case reports: Peliosis hepatis induced by 6-thioguanine administration D LARREY, E FRENEAUX, A BERSON, G BABANY, C DEGOTT, D VALLA, D PESSAYRE, AND J P BENHAMOU 1265

Hypertrophic gastritis associated with increased gastric mucosal prostaglandin E_2 concentrations in a patient with the carcinoid syndrome E J S BOYD, G HULKS, J StJ THOMAS, AND K E L McCOLL 1270

Persistent shigellosis D CLEMENTS, C J ELLIS, AND R N ALLAN 1277

Recurrent bleeding from cutaneous venous collaterals in portal hypertension H R VAN BUUREN, T E FICK, AND S W SCHALM 1279

Near fatal eosinophilic gastroenteritis responding to oral sodium chromoglycate R J MOOTS, P PROUSE, AND J M GUMPEL 1282

Methods: Markers for faecal fat estimation in monitoring steatorrhoea in cystic fibrosis J GILBERT, J KELLEHER, M P WALTERS, AND J M LITTLEWOOD 1286

Correspondence. Books. News 1289

No. 10 OCTOBER 1988

New editor of *Gut* 1297

Leading articles: Medical treatment of ulcerative colitis: scoring the advances C J HAWKEY AND A B HAWTHORNE 1298

Total parenteral nutrition as primary treatment in Crohn's disease – RIP? J J PAYNE-JAMES AND D B A SILK 1304

Alimentary tract and pancreas: Controlled trial of bowel rest and nutritional support in the management of Crohn's disease G R GREENBERG, C R FLEMING, K N JEEJEEBHOY, I H ROSENBERG, D SALES, AND W J TREMAINE 1309

Use of colonic eicosanoid concentrations as predictors of relapse in ulcerative colitis: double blind placebo controlled study on sulphasalazine maintenance treatment K LAURITSEN, L STAERK LAURSEN, K BUKHAVE, AND J RASK-MADSEN 1316

Open access colonoscopy for suspected colonic neoplasia J J T TATE AND G T ROYLE 1322

Effect of high fat consumption on cell proliferation activity of colorectal mucosa and on soluble faecal bile acids JONA STADLER, HARTLEY S STERN, KA SING YEUNG, VALERIE McGUIRE, RUDOLF FURRER, NORMAN MARCON, AND W R BRUCE 1326

Increased rate of spinal trabecular bone loss in patients with inflammatory bowel disease R J MOTLEY, E O CRAWLEY, C EVANS, J RHODES, AND J E COMPSTON 1332

Prostaglandin E_2 is a mediator of 5-hydroxytryptamine induced water and electrolyte secretion in the human jejunum L K MUNCK, A MERTZ-NIELSEN, H WESTH, K BUKHAVE, E BEUBLER, AND J RASK-MADSEN ... 1337

HLA-DR expression in human fetal intestinal epithelium T T MacDONALD, A WEINEL, AND J SPENCER.... 1342

Stimulation of pyloric motility by intraduodenal dextrose in normal subjects R HEDDLE, D FONE, J DENT, AND M HOROWITZ 1349

Gastrin cell function in familial multiple endoctine neoplasia type I C B H W LAMERS, J I ROTTER, AND J B M J JANSEN 1358

Twenty four hour intragastric acidity and plasma gastrin concentration in helathy volunteers taking nizatidine 150 mg, nizatidine 300 mg, rantidine 300 mg, or placebo at 21 00 h S LANZON-MILLER, R E POUNDER, N A F CHRONOS, F RAYMOND, M R HAMILTON, AND D DALGLEISH 1364

Radioautographic localisation of iodinated human intrinsic factor in the guinea pig ileum using electron miscoscopy J L GUÉANT, A GÉRARD, B MONIN, B CHAMPIGNEULLE, H GÉRARD, AND J P NICOLAS 1370

Effect of intragastric pH on mucosal protective action of sucralfate B J Z DANISH, A DUNCAN, R I RUSSELL, AND G MITCHELL 1379
Non-ulcer dyspepsia and short term De-Nol therapy: a placebo controlled trial with particular reference to the role of Campylobacter pylori T ROKKAS, C PURSEY, E UZOECHINA, L DORRINGTON, N A SIMMONS, M I FILIPE, AND G E SLADEN 1386
Pancreatic ductal mucinous hyperplasia: distribution within the pancreas, and effect of variation in ampullary and pancreatic duct anatomy T G ALLEN-MERSH 1392
Liver and biliary: Quantitative ^{99m}Tc-DISIDA scanning and endoscopic biliary manometry in sphincter of Oddi dysfunction G M FULLARTON, A ALLAN, T HILDITCH, AND W R MURRAY 1397
Effects of morphine on the human sphincter of Oddi J F HELM, R P VENU, J E GEENEN, W J HOGAN, W J DODDS, J TOOULI, AND R C ARNDORFER 1402
Case report: Blue rubber bleb naevus disease: an uncommon cause of gastrointestinal tract bleeding M JENNINGS, P WARD, AND J L MADDOCKS 1408
Progress report: Heretical thoughts on the pathogenesis of acute pancreatitis MILO KEYNES 1413
Occasional report: Cancer prevention: a European approach MICHAEL HILL 1424
Correspondence. Books. News 1426
British Society of Gastroenterology A1429

No. 11 NOVEMBER 1988

Leading article: HIV disease and the gastroenterologist B G GAZZARD 1497
Liver and bilary: Mucin in gall bladder bile of gall stone patients: influence of treatment with chenodeoxycholic acid and ursodeoxycholic acid STAFFAN SAHLIN, ÅKE DANIELSSON, BO ANGELIN, EVA REIHNÉR, ROGER HENRIKSSON, AND KURT EINARSSON 1506
Dietary factors in the aetiology of gall stones: a case control study FIONA PIXLEY AND J MANN 1511
Alimentary tract and pancreas: Evidence for a role of oxygen derived free radicals in the pathogenesis of carulein induced acute pancreatitis in rats J WISNER, D GREEN, L FERRELL, AND I RENNER 1516
Prevention of toxic effects of cyclosporin on pancreatic B-cells of rats by Rioprostil, a new prostaglandin analogue M K MÜLLER, H DEGENHARDT, G KLÖPPEL, H GOEBELL, K BERGMANN, AND M LÖHR . 1524
Macrophage heterogeneity in normal colonic mucosa and in inflammatory bowel disease M C ALLISON, S CORNWALL, L W POULTER, A P DHILLON, AND R E POUNDER 1531
Short chain fatty acid distribution of enema samples from a sigmoidoscopy population: an association of high acetate and low butyrate ratios with adenomatous polyps and colon cancer G A WEAVER, J A KRAUSE, T L MILLER, AND M J WOLIN 1539
Rectal hyperplasia after jejunoileal bypass for morbid obesity G V N APPLETON, E E WHEELER, R AL-MUFTI, D N CHALLACOMBE, AND R C N WILLIAMSON 1544
GABA immunoreactivity and ^{3}H-GABA uptake in mucosal epithelial cells of the rat stomach K R JESSEN, J M HILLS, AND A R LIMBRICK 1549
Age related increase of brush border enzyme activities along the small intestine F RAUL, F GOSSE, M DOFFOEL, P DARMENTON, AND J Y WESSELY 1557
Low gluten diet in the treatment of adult coeliac disease: effect on jejunal morphology and serum anti-gluten antibodies A M P MONTGOMERY, A K J GOKA, P J KUMAR, M J G FARTHING, AND M L CLARK 1564
Prevention of acute gastric erosions in the rat by novel semi-synthetic amphipathic analogues of pepstatin S P J HUDDY, G PATEL, G C HEYWOOD, B M AUSTEN, AND J HERMON-TAYLOR 1569
Cimetidine decreases indomethacin induced duodenal mucosal damage in patients with acute musculoskeletal disorders R STALNIKOWICZ, D POLIAK, A ELIAKIM, D WENGROWER, A FISH, E GOLDIN, M LIGUMSKY, AND D RACHMILEWITZ 1578
Pattern of 24 hour intragastric acidity in active duodenal ulcer disease and in healthy controls H S MERKI, C J FIMMEL, R P WALT, K HARRE, J RÖHMEL, AND L WITZEL 1583
Mortality caused by stomach cancer after remote partial gastrectomy for benign conditions: 40 years of follow up of an Amsterdam cohort of 2633 postgastrectomy patients G J A OFFERHAUS, A C TERSMETTE, K HUIBREGTSE, J VAN DE STADT, K W F TERSMETTE, TH STIJNEN, PH J HOEDEMAEKER, J P VANDENBROUCKE, AND G N J TYTGAT 1588
Effect of stress on oesophageal motor function in normal subjects and in patients with the irritable bowel syndrome E E SOFFER, P SCALABRINI, C E POPE II, AND D L WINGATE 1591
Case reports: Family occurrence of achalasia and diffuse spasm of the oesophagus T FREILING, W BERGES, F BORCHARD, H J LÜBKE, P ENCK, AND M WIENBECK 1595
Hepatocellular carcinoma in primary haemochromatosis in the absence of cirrhosis I W FELLOWS, M STEWART, W J JEFFCOATE, P G SMITH, AND P J TOGHILL 1603
Primary mucinous adenocarcinoma developing in an ileostomy stoma P J SMART, S SASTRY, AND S WELLS 1607

Contents

Treatment of end stage chronic intestinal pseudo-obstruction by subtotal enterectomy and home parenteral nutrition M M MUGHAL AND M H IRVING 1613
Correspondence. Books. News 1618

No. 12 DECEMBER 1988

Leading articles: Crohn's disease – a permeability disorder of the tight junction? D HOLLANDER 1621
An overlooked factor in duodenal ulceration and postoperative recurrence? R M KIRK 1625
Alimentary tract and pancreas: Altered gastrointestinal immune response in sarcoidosis P A McCORMICK, C FIEGHERY, C DOLAN, C O'FARRELLY O KELLIHER, F GRAEME-COOK, A FINCH, K WARD, M X FITZGERALD, D P O'DONOGHUE, AND D G WEIR 1628
Same peculiar subset of HML1+lymphocytes present within normal intestinal epithelium is associated with tumoral epithelium of gastrointestinal cardinomas A JARRY, N CERF-BENSUSSAN, N BROUSSE, D GUY-GRAND, F MUZEAU, AND F POTET 1632
Ulcerative colitis specific cytotoxic IgG-autoantibodies against colonic epithelial cancer cells I O AUER, L GROSCH, C HARDÖRFER, AND A RÖDER 1639
Effect of alcohols on gastric and small intestinal apical membrane integrity and fluidity HEATHER J BALLARD, J M WILKES, AND B H HIRST 1648
Neutrophil and eosinophil involvement of the small bowel affected by chronic alcoholism J F COLOMBEL, R HÄLLGREN, P VENGE, B MESNARD, AND J C RAMBAUD 1656
Glucose-galactose malabsorption: demonstration of specific jejunal brush border membrane defect I W BOOTH, P B PATEL, D SULE, G A BROWN, R BUICK, AND K BEYREISS 1661
Assimilation of lactitol, and 'unabsorbed' disaccharide in the normal human colon G K GRIMBLE, D H PATIL, AND D B A SILK 1666
Maturation of the rat small intestine at weaning: changes in epithelial cell kinetics bacterial flora, and mucosal immune activity A G CUMMINS, T W STEELE, J T LABROOY, AND D J C SHEARMAN 1672
Hydrogen peroxide induced adenosine diphosphate ribosyl transferase (ADPRT) response in patients with inflammatory bowel disease M M MARKOWITZ, P ROZEN, R W PERO, M TOBI, AND D G MILLER .. 1680
Persistent diarrhoea in Zairian AIDS patients: an endoscopic and histological study R COLEBUNDERS, K LUSAKUMUNI, ANNE MARIE NELSON, P GIGASE, I LEBUGHE, E VAN MARCK, B KAPITA, H FRANCIS, J-J SALAUN, T C QUINN, AND P PIOT 1687
Ultrastructural changes in internal anal sphincter in neurogenic faecal incontinence M SWASH, A GRAY, D Z LUBOWSKI, AND R J NICHOLLS 1692
Changes in oesophageal wall biomechanics after portal vein banding and variceal sclerotherapy measured by a new technique. An experimental study in rabbits H GREGERSEN, L S JENSEN, AND J C DJURHUUS 1699
Salicylate effects on a monolayer culture of gastric mucous cells from adult rats S OTA, M RAZANDI, S SEKHON, W J KRAUSE, A TERANO, H HIRAISHI, AND K J IVEY 1705
Effect of 'weekend therapy' with omeprazole on basal and stimulated acid secretion and fasting plasma gastrin in duodenal ulcer patients E G HEWSON, N D YEOMANS, P W ANGUS, A SHULKES, C W BROOK, R B SEWELL, AND R A SMALLWOOD 1715
Benign oesophageal stricture in Barrett's columnar epithelialised oesophagus and its responsiveness to conservative management M ATKINSON AND C S ROBERTSON 1721
Techniques: Determination of total gastric volume, gastric secretion and residual meal using the double sampling technique of George E J BECKERS, N J REHRER, F BROUNS, F TEN HOOR, AND W H M SARIS .. 1725
Evaluation of applied potential tomography as a new non-invasive gastric secretion test A J BAXTER, Y F MANGNALL, E H LOJ, B BROWN, D C BARBER, A G JOHNSON, AND N W READ 1730
Pancreatic function testing: serum PABA measurement is a reliable and accurate measurement of exocrine function A R TANNER AND D P ROBINSON 1736
Clinical trials: Balloon or bougie for dilatation of benign oesophageal stricture? An interim report of a randomised controlled trial J G C COX, R K WINTER, S C MASLIN, R JONES, G K BUCKTON, R C HOARE, D R SUTTON, AND J R BENNETT 1741
Antacid maintenance therapy in the prevention of duodenal ulcer relapse K D BARDHAN, J O HUNTER, J P MILLER, A B R THOMSON, D Y GRAHAM, R I RUSSELL, S SONTAG, C HINES, T MARTIN, L GAUSSEN, D VAN THIEL, J ACHORD, AND J K BUTLER 1748
Correspondence. Books. Correction 1755
General index to volume 29 1757
Abstract index 1783